

Work Order ID 128203

Tuesday, January 13, 2015 9:05:10 AM

128203

Page 1

Item ID: 646.4001 Accept ***N900040100*** Setup Start ***NS1***
Revision ID: Stop ***NS2***
Item Name: AS350 Cable Cutters

Start Date: 1/13/2015 Start Qty: 1.00 ***1*** Cust Item ID:
Required Date: 1/13/2015 Req'd Qty: 1.00 ***1*** Customer:

Reference:

Approvals: Process Plan: MLS Date: 15-01-13 Tooling: _____ Date: _____
QC: _____ Date: _____ SPC (Y/N): _____ Date: _____
Run Start ***NR1***
Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
--------------------------------	--------------------------	----------------------	---------	--------	--------------	---------------	---------------	------------------	----------------

Draw Nbr	Revision Nbr								
646.4000	B								

100 Document Control 0.00
100 DOCUMENT CONTROL
DC Memo 0.00
Doc.Control -USB or Paperwork Photocopy bluefile & type labels per PPP 646.4001

110 Pick Kit 0.00
110
Packaging Memo 0.00
Packaging

120 QC4- 100% Inspect kits for completeness 0.00
120
QC Memo 0.00
Quality Control

(1x) DAS
48
5-1 MAR 12 2015

FEB 18 2015 DAS
06
9-09
DAS
28
9-09

(1x) DAS
48
9-09 MAR 12 2015

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE



QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS <table style="width: 100%;"> <tr> <td>Skid-tube ☐</td> <td>Crosstube ☐</td> <td>Water Jet ☐</td> <td>Engineering ☐</td> </tr> <tr> <td>Machining ☐</td> <td>Small Fab ☐</td> <td>Prod. Eng. Coord. ☐</td> <td>Quality ☐</td> </tr> <tr> <td>Thermoforming ☐</td> <td>Finishing ☐</td> <td>Rec/Store/Packaging ☐</td> <td>Other ☐</td> </tr> <tr> <td>Large Fab ☐</td> <td>Composite ☐</td> <td>Supplier ☐</td> <td></td> </tr> </table>	Skid-tube ☐	Crosstube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐	
Skid-tube ☐	Crosstube ☐	Water Jet ☐	Engineering ☐															
Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐															
Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐															
Large Fab ☐	Composite ☐	Supplier ☐																

Root Cause	Date	Step	Qty	Description of work order update or non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Design ☐									
Doc/Data ☐									
Equip/Tooling ☐									
Handling/Pre ☐									
Material ☐									
Operator ☐									
Offset/Setup ☐									
Process ☐									
Supplier ☐									
Training ☐									
Transport ☐									
Unapproved ☐									

FAULT CATEGORY

Landing Gear ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Inspection Strip in Tube ☐ Marks/Chatter ☐ Turning Sequence ☐ Wave/Twist in Tube	General ☐ Bend ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Burrs ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Drawing ☐ Drill Holes ☐ Finish ☐ Fit/Function	☐ Folio/Program ☐ Grain ☐ Hardware ☐ Inspection Incomplete/Unqualified ☐ Instructions Incomplete/Unclear ☐ Misaligned/off center ☐ Mislabeled ☐ Misread ☐ Off-set ☐ Out of Calibration ☐ Out of Sequence	☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Positioned Wrong ☐ Power Loss/Surge ☐ Pressure/Forced ☐ Set-up ☐ Temperature/Cure ☐ Weld ☐ Wrong Stock Pulled ☐ Other
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Item ID: 646.4001 Accept ***N900040100*** Setup Start ***NS1***
Revision ID: Stop ***NS2***
Item Name: AS350 Cable Cutters
Start Date: 1/13/2015 Start Qty: 1.00 ***1*** Cust Item ID:
Required Date: 1/13/2015 Req'd Qty: 1.00 ***1*** Customer:
Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____ Run Start ***NR1***
QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
130		0.00							
130	Packaging					(ix)	DAS 46		MAR 13 2015
Packaging	Memo	0.00					9-89		
Packaging	Identify and pack for shipping as per PPP 646.4001 Location: _____								
		Sold *							
140	QC21- Final Inspection - Work Order Release	0.00							
140									
QC	Memo	0.00							
Quality Control									

MLJ 15-03-13
JMF
15-3-13

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS <table style="width: 100%;"> <tr> <td>Skid-tube ☐</td> <td>Crosstube ☐</td> <td>Water Jet ☐</td> <td>Engineering ☐</td> </tr> <tr> <td>Machining ☐</td> <td>Small Fab ☐</td> <td>Prod. Eng. Coord. ☐</td> <td>Quality ☐</td> </tr> <tr> <td>Thermoforming ☐</td> <td>Finishing ☐</td> <td>Rec/Store/Packaging ☐</td> <td>Other ☐</td> </tr> <tr> <td>Large Fab ☐</td> <td>Composite ☐</td> <td>Supplier ☐</td> <td></td> </tr> </table>	Skid-tube ☐	Crosstube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐	
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Root Cause	Date	Step	Qty	Description of work order update or non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Design									
Doc/Data									
Equip/Tooling									
Handling/Pre									
Material									
Operator									
Offset/Setup									
Process									
Supplier									
Training									
Transport									
Unapproved									

FAULT CATEGORY

Landing Gear ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Inspection Strip in Tube ☐ Marks/Chatter ☐ Turning Sequence ☐ Wave/Twist in Tube	General ☐ Bend ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Burrs ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Drawing ☐ Drill Holes ☐ Finish ☐ Fit/Function	☐ Folio/Program ☐ Grain ☐ Hardware ☐ Inspection Incomplete/Unqualified ☐ Instructions Incomplete/Unclear ☐ Misaligned/off center ☐ Mislabeled ☐ Misread ☐ Off-set ☐ Out of Calibration ☐ Out of Sequence ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Positioned Wrong ☐ Power Loss/Surge ☐ Pressure/Forced ☐ Set-up ☐ Temperature/Cure ☐ Weld ☐ Wrong Stock Pulled ☐ Other
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Picklist Print

Wednesday, January 14, 2015 9:57:58 AM

Work Order ID: 128203

128203

Parent Item: 646.4001

646 4001

Parent Item Name: AS350 Cable Cutters

Start Date: 1/13/2015

Required Date: 1/13/2015

Start Qty: 1.00

Required Qty: 1.00

Comments: IPP REV:A 12.10.23 NEW ISSUE DD VERF:JLM
IPP REV:B 15.01.08 AS PER DWG REV.B DD VERF:JLM

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
---------------------------------	------------------------	---------------	-------------	---------------------	------------------	-----------------	--------------------	----------------	-------------	--------------	---------------	----------------	--------

647.0112		DAS	Manufactured	No			Each	241.0000		2			
647 0112									**				DAS
Strut Bracket													ES 9-89

Location	Loc Qty	Loc Code
CCK109	241	
112215	62	
122245	35	
122871	52	
M130388	92	

647.7703		Manufactured	No				Each	0.0000					
647 7703									**				DAS
Strut Assembly													ES 9-89
646.3301		Manufactured	No				Each	10.0000		1			DAS
646 3301									**				ES 9-89
Upper Cutter Assy													ES 9-89

Location	Loc Qty	Loc Code
CCK042	2	
124729	2	
CCK046	8	
120672	2	
122966	4	
124258	2	

FEB 17 2015

DAS
28
9-89

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Work Order ID: 128203

128203

Parent Item: 646.4001

646 4001

Parent Item Name: AS350 Cable Cutters

Start Date: 1/13/2015

Required Date: 1/13/2015

Start Qty: 1.00

Required Qty: 1.00

646.3001

Manufactured No

Each

12.0000

1

DAS

646 3001

DAS
46
9-89

**

DAS
28
9-89

Lower Cutter Assy

Location

Loc Qty

Loc Code

CCK045

12

123145

1

124690

2

124731

2

124733

7

DAS
28
9-89

646.2910

Manufactured No

Each

1.0000

1

646 2910

DAS
46
9-89

**

DAS
28
9-89

Deflector

Location

Loc Qty

Loc Code

CCK050

1

120021

1

DAS
28
9-89

646.3810

Manufactured No

Each

24.0000

2

646 3810

DAS
46
9-89

**

Bracket

Location

Loc Qty

Loc Code

cck104

24

121817

10

123020

6

123683

4

124329

4

DAS
28
9-89

DAS
28
9-89

646.3510

Manufactured No

Each

13.0000

1

646 3510

DAS
46
9-89

**

DAS
28
9-89

DAS
28
9-89

Strut

Location

Loc Qty

Loc Code

cck101

13

120150

13

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Work Order ID: 128203

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Parent Item: 646.4001

646 4001

Parent Item Name: AS350 Cable Cutters

Start Date: 1/13/2015

Required Date: 1/13/2015

Start Qty: 1.00

Required Qty: 1.00

646.3511 **DAS** Manufactured No
***646 3511*46**
 Strut 9-89

Location Loc Qty Loc Code

cck102 12
 120292 12

DAS
 28
 9-89

646.3512 Manufactured No
646 3512
 Strut

Location Loc Qty Loc Code

cck102 12
 126226 12

646.3513 Manufactured No
646 3513
 Strut

Location Loc Qty Loc Code

cck102 15
 110989 4
 113944 1
 126779 10

NAS1149F0332P Purchased No
NAS1149F0332P DAS
 Washer 43

Location Loc Qty Loc Code

GA 222
 122063 222
 ST260a 2751
 m130325 2000
 m131026 751

2,973.000 (138)

DAS
 28
 9-89

FEB 17 2015

DAS
 28
 9-89

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Work Order ID: 128203

128203

Parent Item: 646.4001

646 4001

Parent Item Name: AS350 Cable Cutters

Start Date: 1/13/2015

Required Date: 1/13/2015

Start Qty: 1.00

Required Qty: 1.00

MS21042L3

Purchased

No

Each

2,109.000

MS21042L3

DAS

Nut

Location

Loc Qty

Loc Code

FP001

467

M130922

467

ST305

1639

M130799

39

M131264

1600

ST307

3

123900

3

646.3110

Manufactured

No

Each

13.0000

646 3110

DAS
46

Channel

**

DAS
46
9-89

DAS
28
9-89

Location

Loc Qty

Loc Code

cck020

13

122959

5

126780

8

Each

13.0000

646.3710

Manufactured

No

646 3710

DAS
46
9-89

Doubler

**

DAS
46
9-89

DAS
28
9-89

Location

Loc Qty

Loc Code

CCK015

13

113729

13

Each

17.0000

646.3210

Manufactured

No

646 3210

DAS
46
9-89

Support

**

DAS
46
9-89

FEB 17 2015

DAS
28

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Work Order ID: 128203

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Parent Item: 646.4001

646 4001

Parent Item Name: AS350 Cable Cutters

Start Date: 1/13/2015

Required Date: 1/13/2015

Start Qty: 1.00

Required Qty: 1.00

646.3713
646 3713
Gusset

DAS
46

Manufactured No

Each 35.0000 1

DAS
28
9-89

Location

Loc Qty

Loc Code

cck103

35

120631

35

Each 298.0000

5

DAS
28
9-89

MS24694-S51

MS24694-S51

Screw

Purchased No

DAS
28
9-89

Location

Loc Qty

Loc Code

ST289

298

m130928

298

Each 31.0000

1

DAS
28
9-89

AN3-13A

AN3-13A

Bolt

DAS
28
9-89

Purchased No

Location

Loc Qty

Loc Code

CA

5

m129682

5

GA

20

m127070

20

ST349

6

m127070

6

Each 351.0000

10

DAS
28
9-89

AN3-4A

AN3-4A

Bolt

DAS
28
9-89

Purchased No

Location

Loc Qty

Loc Code

CA

108

m129682

108

ST350

243

m129702

243

FEB 17 2015

DAS
28
9-89

DAS
28
9-89

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Work Order ID: 128203

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Parent Item: 646.4001

646 4001

Parent Item Name: AS350 Cable Cutters

Start Date: 1/13/2015

Required Date: 1/13/2015

Start Qty: 1.00

Required Qty: 1.00

CR3213-5-3	Purchased	No		Each	100.0000	14			
CR3213-5-3	DAS						**		
Cherry Rivet								DAS	
								28	DAS
								9-89	9-89
			<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>				
			CCK004	100					
			m127831	100					
MS20470AD5-5.5	Purchased	No		Each	351.0000	8		DAS	
MS20470AD5-5 5	DAS						**		
Rivet								28	DAS
								9-89	9-89
			<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>				
			ST310	351					
			123425	351					
646.3711	Manufactured	No		Each	51.0000	1		DAS	
646 3711	DAS						**		
Clip								28	DAS
								9-89	9-89
			<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>				
			cck103	3					
			118823	3					
			cck126	48					
			120626	48					
646.3712	Manufactured	No		Each	41.0000	1		DAS	
646 3712	DAS						**		
Clip								28	DAS
								9-89	9-89
			<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>				
			cck103	41					
			118825	1					
			120630	40					

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Work Order ID: 128203

128203

Parent Item: 646.4001

646 4001

Parent Item Name: AS350 Cable Cutters

Start Date: 1/13/2015

Required Date: 1/13/2015

Start Qty: 1.00

Required Qty: 1.00

646.3811 Manufactured No

Each 38.0000 1

646 3811

DAS

**

Radius Block

43

9-89

Location

Loc Qty

Loc Code

cck104

38

107218

3

110717

20

122938

15

AN3-6A

Purchased No

Each 172.0000 2

AN3-6A

DAS
43
9-89

**

Bolt

Location

Loc Qty

Loc Code

ST349

172

M128739

72

M130466

100

MS24694-S55

Purchased No

Each 13.0000 1

MS24694-S55

DAS

**

Screw

43
9-89

Location

Loc Qty

Loc Code

ST289

13

m128401

13

646.3610

Manufactured No

Each 12.0000 1

646 3610

DAS

**

Filler

43

9-89

Location

Loc Qty

Loc Code

cck103

12

112887

2

124514

10

DAS

43

9-89

DAS

28

9-89

DAS

43

9-89

DAS

28

9-89

DAS

43

9-89

DAS

28

9-89

DAS

43

9-89

DAS

28

9-89

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646 4001

Parent Item Name: AS350 Cable Cutters

Start Date: 1/13/2015

Required Date: 1/13/2015

Start Qty: 1.00

Required Qty: 1.00

646.3714 DAS Manufactured No

Each 36.0000 1

646 3714

DAS
46

Gusset

9-89

**

DAS

46

9-89

DAS

28

9-89

Location

Loc Qty

Loc Code

cck103

36

120632

36

Each 1,232.000

8

MS20470AD5-6

Purchased No

MS20470AD5-6

DAS

**

DAS

28

9-89

DAS

28

9-89

Location

Loc Qty

Loc Code

CCK004

890

124089

890

ST309

342

105433

342

Each 16.0000

2

646.3812

Manufactured No

646 3812

DAS

**

DAS

28

9-89

DAS

28

9-89

Location

Loc Qty

Loc Code

cck104

16

122898

16

Each 336.0000

4

AN3-3A

Purchased No

AN3-3A

DAS

**

DAS

28

9-89

DAS

28

9-89

Location

Loc Qty

Loc Code

ST350

336

m129591

336

Bolt

FEB 17 2015

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646 4001

Parent Item Name: AS350 Cable Cutters

Start Date: 1/13/2015

Required Date: 1/13/2015

Start Qty: 1.00

Required Qty: 1.00

646.3813 Manufactured No

Each 22.0000 1

646 3813

Strut Bracket

DAS
43
9-89

DAS
43
9-89

DAS
28
9-89

Location

Loc Qty

Loc Code

cck104

22

115021

4

121503

10

122968

4

124265

4

1

MS20470AD5-7

Purchased No

Each 608.0000 3

MS20470AD5-7

Rivet

DAS
43
9-89

DAS
43
9-89

DAS
28
9-89

Location

Loc Qty

Loc Code

ST310

608

123425

608

3

MS21047-3

Purchased No

Each 98.0000 18

MS21047-3

Nut Plate

DAS
43
9-89

DAS
43
9-89

DAS
28
9-89

Location

Loc Qty

Loc Code

ST303

98

m130358

98

18

CCR264SS3-02

Purchased No

Each 131.0000 36

CCR264SS3-02

Rivet, Cherry

DAS
43
9-89

DAS
43
9-89

FEB 17 2015
DAS
28
9-89

Location

Loc Qty

Loc Code

ST321

131

M128879

131

36

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Work Order ID: 128203

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Parent Item: 646.4001

646 4001

Parent Item Name: AS350 Cable Cutters

Start Date: 1/13/2015

Required Date: 1/13/2015

Start Qty: 1.00

Required Qty: 1.00

AN3-5A

Purchased

No

Each

266.0000

2

AN3-5A

Bolt

DAS
43
9-89

**

M131420

Location

Loc Qty

Loc Code

CA

151

m129682

151

FP001

69

m130325

69

GA

46

m129507

46

DAS
66
9-89
DAS
28
9-89

646.3715

Manufactured

No

Each

21.0000

2

646 3715

Strut Doubler

DAS
43
9-89

**

Location

Loc Qty

Loc Code

cck103

21

115101

1

123469

12

123700

8

DAS
66
9-89
DAS
28
9-89

MS27039-1-12

Purchased

No

Each

80.0000

6

MS27039-1-12

Screw

DAS
43
9-89

**

Location

Loc Qty

Loc Code

ST285

80

m128799

80

DAS
66
9-89
DAS
28
9-89

646.3716

Manufactured

No

Each

16.0000

1

646 3716

Gauge Bracket

DAS
43
9-89

**

FEB 17 2015

Location

Loc Qty

Loc Code

cck103

16

120167

2

122908

14

DAS
66
9-89
DAS
28
9-89

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646 4001

Parent Item Name: AS350 Cable Cutters

Start Date: 1/13/2015

Required Date: 1/13/2015

Start Qty: 1.00

Required Qty: 1.00

MS20426AD5-7

Purchased

No

Each

266.0000

2

MS20426AD5-7

RIVET

DAS
43
9-89

**

DAS

Location

Loc Qty

Loc Code

ST312

266

101340

266

2

DAS
28
9-89

MS24694-S54

Purchased

No

Each

54.0000

2

MS24694-S54

SCREW

DAS
43
9-89

**

DAS
28
9-89

117460

Location

Loc Qty

Loc Code

ST289

54

m130928

54

4

DAS
28
9-89

MS27039-1-21

Purchased

No

Each

506.0000

4

MS27039-1-21

Screw

DAS
43
9-89

**

DAS
28
9-89

Location

Loc Qty

Loc Code

ST273A

495

m126319

100

m127904

395

ST284

11

124326

11

2

DAS
28
9-89

MS27039-1-20

Purchased

No

Each

282.0000

2

MS27039-1-20

Screw

DAS
43
9-89

**

DAS
28
9-89

Location

Loc Qty

Loc Code

ST284

282

124326

282

2

DAS
28
9-89

FEB 17 2015

Wednesday, January 14, 2015 9:57:59 AM

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Picklist Print

Wednesday, January 14, 2015 9:57:59 AM

Work Order ID: 128203

128203

Parent Item: 646.4001

646 4001

Parent Item Name: AS350 Cable Cutters

Start Date: 1/13/2015

Required Date: 1/13/2015

Start Qty: 1.00

Required Qty: 1.00

MS27039-1-19

Purchased

No

Each

574.0000

22

MS27039-1-19

Screw

DAS

**

DAS
63
9-03
DAS
28
9-89

Location

Loc Qty

Loc Code

GA

32

m124326

32

ST273A

401

m127904

401

ST284

141

125654

5

m127904

136

Each

35.0000

1

DAS
63
9-03

DAS
28
9-89

**

646.3717

Manufactured

No

646 3717

Doubler

DAS

Location

Loc Qty

Loc Code

cck103

35

114916

5

120633

30

Each

22.0000

2

**

646.3718

Manufactured

No

646 3718

Custom Washer

DAS

Location

Loc Qty

Loc Code

cck104

22

110639

22

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DAS
63
9-03
DAS
28
9-89

Picklist Print

Page 13

Wednesday, January 14, 2015 9:57:59 AM

Work Order ID: 128203

128203

Parent Item: 646.4001

646 4001

Parent Item Name: AS350 Cable Cutters

Start Date: 1/13/2015

Required Date: 1/13/2015

Start Qty: 1.00

Required Qty: 1.00

646.3719

Manufactured No

Each

65.0000

2

646 3719

Doubler

DAS

**

DAS

06

9-89

Location

Loc Qty

Loc Code

cck104

34

120338

14

123589

20

cck126

31

120634

31

DAS

28

9-89

MS27039-1-10

Purchased

No

Each

753.0000

2

MS27039-1-10

SCREW

DAS

46

9-89

**

DAS

06

9-89

Location

Loc Qty

Loc Code

GA

250

m129541

250

ST285

503

m123522

60

m128635

41

m130358

402

DAS

28

9-89

AN3-11A

Purchased

No

Each

579.0000

8

AN3-11A

Bolt

DAS

46

9-89

**

DAS

06

9-89

Location

Loc Qty

Loc Code

ST338a

579

m125709

470

m130005

109

DAS

28

9-89

FEB 17 2015

Picklist Print

Page 14

Wednesday, January 14, 2015 9:57:59 AM

Work Order ID: 128203

128203

Parent Item: 646.4001

646 4001

Parent Item Name: AS350 Cable Cutters

Start Date: 1/13/2015

Required Date: 1/13/2015

Start Qty: 1.00

Required Qty: 1.00

600.0990

600 0990
MAGNABOND 6398 PART A

68-6
46
DAS

Purchased No

Each 5.0000 1

**

~~129818~~
129037

DAS
28
9-89

Location Loc Qty Loc Code

MF 5
M129818 5

600.0991

600 0991
MAGNOBOND 6398 PART B

68-6
46
DAS

Purchased No

Each 5.0000 1

**

~~129818~~
129037

DAS
28
9-89

Location Loc Qty Loc Code

MF 5
130685 5

600.1012

600 1012
Sealant PR1425B2 (#654 sem)

DAS
46
9-89

Purchased No

Each 21.0000 1

**

EXP APRIL
2015

Location Loc Qty Loc Code

cck017 10
m129767 10
cck018 11
m129749 6
m130388 5

DAS
28
9-89

DAS
28
9-89

600.0129

600 0129
VHB TAPE 75935A651

DAS
46
9-89

Purchased No

f 18.0000

**

8 feet

Location Loc Qty Loc Code

CCK095 18
m127920 18

FEB 17 2015

8 feet

DAS
28
9-89

DAS
28
9-89

Picklist Print

Wednesday, January 14, 2015 9:57:59 AM

Work Order ID: 128203

128203

Parent Item: 646.4001

646 4001

Parent Item Name: AS350 Cable Cutters

Start Date: 1/13/2015

Required Date: 1/13/2015

Start Qty: 1.00

Required Qty: 1.00

600.1013

DAS

Purchased

No

Each

1,000.000

5

600 1013

**

DAS

06

DAS

021200-3M TAPE PRIMER 94 PRIMER 24216

9-89

28

9-89

Location

Loc Qty

Loc Code

CCK095

1000

m131145

1000

6/15/2016

5

646.3910

Manufactured

No

Each

2.0000

4

646 3910

**

DAS

06

DAS

Shim

9-89

28

9-89

Location

Loc Qty

Loc Code

cck104

2

120237

2

646.3911

Manufactured

No

Each

25.0000

1

646 3911

**

DAS

06

DAS

Shim

9-89

28

9-89

Location

Loc Qty

Loc Code

cck104

25

107669

1

118824

12

123075

12

646.3912

Manufactured

No

Each

4.0000

4

646 3912

**

DAS

06

DAS

Shim

9-89

28

9-89

Location

Loc Qty

Loc Code

cck104

4

121870

4

FEB 17 2015

DAS

28

9-89

Picklist Print

Wednesday, January 14, 2015 9:58:00 AM

Work Order ID: 128203

128203

Parent Item: 646.4001

646 4001

Parent Item Name: AS350 Cable Cutters

Start Date: 1/13/2015

Required Date: 1/13/2015

Start Qty: 1.00

Required Qty: 1.00

646.3913
646 3913
Shim

DAS
43
9-39

Manufactured No

Each 4.0000

1

66
9-39

**

DAS
28
9-39

Location

Loc Qty

Loc Code

cck104

4

107550

4

Each

202.0000

2

DAS
56
9-39

**

DAS
28
9-39

AN3-12A

AN3-12A

Bolt

DAS
43
9-39

Purchased No

Location

Loc Qty

Loc Code

CA

69

m129682

69

ST349

133

m130566

133

Each

67.0000

2

DAS
66
9-39

**

DAS
28
9-39

MS27039-1-16

MS27039-1-16

Screw

DAS
46
9-39

Purchased No

Location

Loc Qty

Loc Code

ST285

67

m130224

67

Each

64.0000

2

**

AN44-5A

AN44-5A

Eyebolt

DAS
46
9-39

Purchased No

Location

Loc Qty

Loc Code

ST339

64

113791

9

124241

25

m123900

20

m126193

10

DAS
66
9-39

FEB 17 2

DAS
28
9-39

Picklist Print

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Wednesday, January 14, 2015 9:58:00 AM

Work Order ID: 128203

128203

Parent Item: 646.4001

646 4001

Parent Item Name: AS350 Cable Cutters

Start Date: 1/13/2015

Required Date: 1/13/2015

Start Qty: 1.00

Required Qty: 1.00

AN665-34R Purchased No

Each 24.0000 2

DAS
28
9-89

AN665-34R DAS

**

Clevis

43
9-89

Location

Loc Qty

Loc Code

ST330

24

DAS
28
9-89

M126180

24

Each 202.0000

**

AN4C7A

Purchased No

AN4C7A

DAS
43
9-89

BOLT

Location

Loc Qty

Loc Code

ST312A

100

m127363

100

DAS
28
9-89

ST345

102

m128634

102

Each 478.0000

**

NAS1149F0432P

Purchased No

NAS1149F0432P

DAS
43
9-89

WASHER

Location

Loc Qty

Loc Code

st268

478

M128995

478

DAS
28
9-89

DAS
28
9-89

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Picklist Print

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Wednesday, January 14, 2015 9:58:00 AM

Work Order ID: 128203

128203

Parent Item: 646.4001

646 4001

Parent Item Name: AS350 Cable Cutters

Start Date: 1/13/2015

Required Date: 1/13/2015

Start Qty: 1.00

Required Qty: 1.00

MS21042L4

Purchased

No

Each

3,572.000

2

MS21042L4

DAS

46

Locknut

Location

Loc Qty

Loc Code

FP001

42

m124231

42

GA

704

m127813

704

ST260a

2000

m130799

2000

ST305

826

426

426

m128300

8

m130922

392

DAS

86

9-89

DAS

28

9-89

2

AN316C4R

Purchased

No

Each

77.0000

2

AN316C4R

DAS

46

NUT

Location

Loc Qty

Loc Code

ST331

77

112314

11

124561

25

m127584

8

m127618

20

m127838

13

DAS

86

9-89

DAS

28

9-89

2

FEB 17 2015

Picklist Print

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Wednesday, January 14, 2015 9:58:00 AM

Work Order ID: 128203

128203

Parent Item: 646.4001

646 4001

Parent Item Name: AS350 Cable Cutters

Start Date: 1/13/2015

Required Date: 1/13/2015

Start Qty: 1.00

Required Qty: 1.00

MS21042-3 MS21042L3 Purchased No Each 875.0000 2 DAS
MS21042-3 **DAS**
 Nut / use MS21042L3 **46**
9-89

Location	Loc Qty	Loc Code
CA	501	
M129682	501	
ST305	374	
M128770	274	
M129541	100	

DAS
28
9-89

MS27039-08-13 Purchased No Each 479.0000 2 DAS
MS27039-08-13 **DAS**
 Screw **46**
9-89

Location	Loc Qty	Loc Code
ST273A	346	
124326	346	
ST281	133	
123352	39	
4067	73	
M123185	21	

DAS
28
9-89

MS21042-08 MS21042L08 Purchased No Each 32.0000 2 DAS
MS21042-08 **DAS**
 USE MS21042L08 **46**
9-89

Location	Loc Qty	Loc Code
ST304	25	
122815	25	
ST306	7	
123185	3	
123525	4	

DAS
28
9-89

FEB 17 2015

Picklist Print

Page 20

Wednesday, January 14, 2015 9:58:00 AM

Work Order ID: 128203

128203

Parent Item: 646.4001

646 4001

Parent Item Name: AS350 Cable Cutters

Start Date: 1/13/2015

Required Date: 1/13/2015

Start Qty: 1.00

Required Qty: 1.00

NAS1149FN832P

Purchased

No

Each

4,968.000

4

NAS1149FN832P

DAS

46

Washer

9-89

**

Location

Loc Qty

Loc Code

ST260a

3600

125268

3600

st268

1368

M130388

1368

4

FEB 17 2015

DAS
46
9-89

DAS
28
9-89

650.9201

x2

per Rev. B

B 130215

DAS
46
9-89

DAS
46
9-89

APICAL

INDUSTRIES, INC.

ENGINEERING CHANGE NOTICE NO.

04731

SHEET 1 OF 2

DWG NO. 646.4000

REV: A

PREPARED
BY

J. SOTO

DATE: 11/04/2014

EFFECT ON DWG

☒ INC. ☐ UNINC.

DWG TITLE: AS350 CABLE CUTTERS KIT

APPROVED BY:

ENGR

MFG

QC

EFF.

NEXT ORDER

TRANSACTION CODES (TC):

A-ADD
R-REVISEC-CREATE
D-DELETE

REASON: REVISED BOM. INCORPORATED ECN 03046 AND 03079.

NOTED BY
REVIEWED
APPROVED
SUBMITTED FOR REVIEW
WORK ORDER
NO 128203 MCLJ
1501-13

76	A	601.2764	4	4	WASHER	NAS1149FN832P	
75	A	601.2973	2	2	LOCKNUT	MS21042-08	
74	A	601.2988	2	2	SCREW	MS27039-0813	
73	A	601.2943	2	2	LOCKNUT	MS21042-3	
72	A	601.3128	2	2	NUT	AN316C4R	
71	A	601.3209	2	2	LOCKNUT	MS21042L4	
70	A	601.2638	4	4	WASHER	NAS1149F0432P	
69	A	601.2669	2	2	BOLT	AN4C7A	
68	A	601.3119	2	2	CLEVIS	AN665-34R	
67	A	601.3121	2	2	EYE BOLT	AN44-57	
66	A	650.9201	2	2	EYE BRACKET ASSY		
51	R	601.2926	10	10	BOLT	AN3-11A	
12	R	601.1624	53	61	LOCKNUT	MS21042L3	
11	R	601.1607	120	138	WASHER	NAS1149F0332P	
8	R	647.7703	2	2	STRUT ASSY		
7	R	647.0112	2	2	STRUT BRACKET		
F/N	TC	PART NUMBER	.4003	.4001			
			QTY		DESCRIPTION	MATERIAL	SPECIFICATION

DOCUMENTS EFFECTED:

☐ MDL ☒ INSTALL INSTRUCTIONS ☒ ICA ☐ FMS ☒ BOM

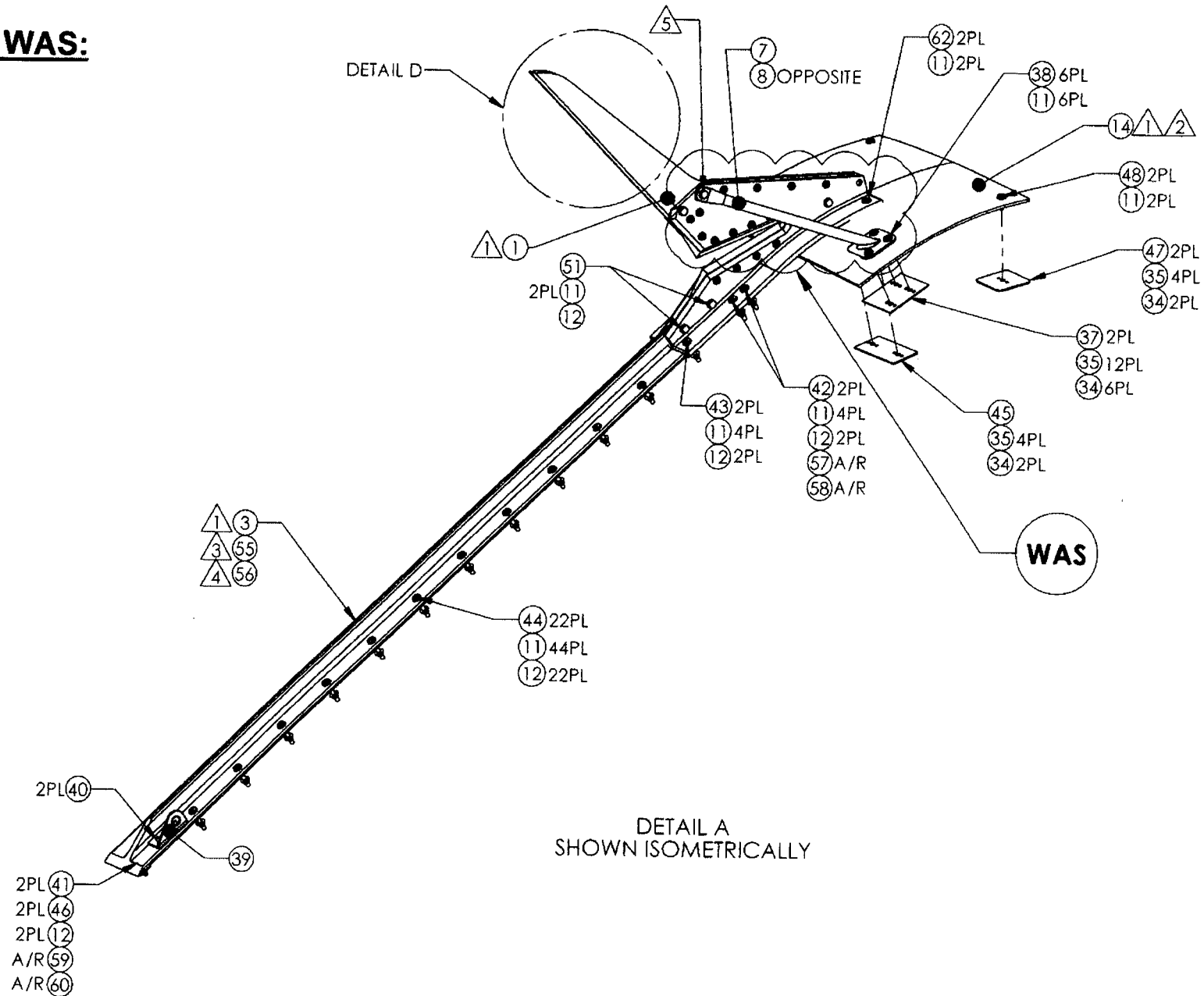
CHANGE CATEGORY

☐ MAJOR ☒ MINOR

DER REVIEW REQUIRED

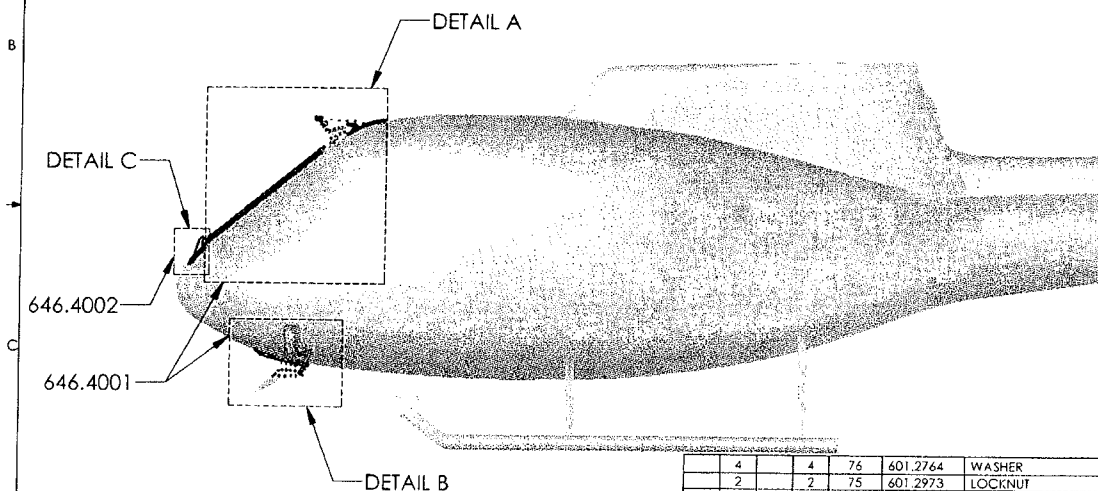
☐ YES ☒ NO

SHEET 2 WAS:



NOTES:

- 1 AFTER INSTALLATION, APPLY F/N 54 A/R TO FILL GAPS AND FILLET EDGES
- 2 INSTALL F/N 14 WITH F/N 52 & 53
- 3 3M VHB ADHESIVE TAPE .025" THICK X .50" WIDE
VENDOR : MCMMASTER-CARR P/N 75935A651
- 4 3M TAPE PRIMER 94, APPLY TO BOTH SURFACES A/R BEFORE TAPE
VENDOR: R.S. HUGHES P/N 021200-24216
- 5 REUSE FASTENERS FROM F/N 1
- 6 USE WASHERS AS REQUIRED AS SHIMS TO OBTAIN BEST FITMENT
- 7 AT CUSTOMERS OPTION, INSTALL F/N 65 BY MATCH DRILLING ONTO F/N 1



inspection sheet for the base catalog reference									
	4		4	76	601.2764	WASHER	NAS114P0432 P		
	2		2	75	601.2973	LOCKNUT	MS21042-08		
	2		2	74	601.2988	SCREW	MS22039-0813		
	2		2	73	601.2943	LOCKNUT	MS21042-3		
	2		2	72	601.3128	NUT	AN316C4R		
	2		2	71	601.3209	LOCKNUT	MS21042L4		
	4		4	70	601.2638	WASHER	NAS114P0432 P		
	2		2	69	601.2649	BOLT	AN4C7A		
	2		2	68	601.3119	CLIEVIS	AN665-34R		
	2		2	67	601.3121	EYE BOLT	AN64-5A		
	2		2	66	650.9201	EYE BRACKET ASSY			
REF	REF			65	647.5701	GPS MOUNT KIT			
		6		64	601.3151	WASHER	NAS114P0432P		
		2		63	601.2911	SCREW	MS24464-553		
	2		2	62	601.2637	SCREW	MS22039-1-16		
	2		2	61	601.2743	BOLT	A10-12A		
	1		1	60	646.3913	SHIM			
	4		4	59	646.3912	SHIM			
	1		1	58	646.3911	SHIM			
	4		4	57	646.3910	SHIM			
	5		5	56	600.1013	PRIMER			
4004	4003	4002	4001	FIND #	PART #	DESCRIPTION	MATL	SPEC	

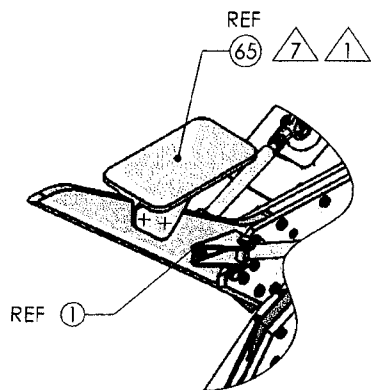
		REV		DESCRIPTION		DATE	APPROV
A		INCORPORATED ECH 02199 02351 02719 & 02765				07/08/2010	P. BRAVO
B		INCORPORATED ECH 03044 03079 & 04731				11/05/2014	P. BRAVO

8 FT	8 FT	55	600.0129	VHB TAPE	
1	1	54	600.1012	SEALANT	PE-1425 CLASS B
1	1	53	600.0991	MAGNIBOND 4398 PART B	△
1	1	52	600.0990	MAGNIBOND 4398 PART A	△
10	10	51	601.2826	BOLT	AN3-11A
	2	50	646.3814	WIPER BRACKET	
	2	49	601.2910	SCREW	MS27039-1-1R
2	2	48	601.1365	SCREW	MS27039-1-10
2	2	47	646.3719	DOUBLER	
	2	46	646.3718	CUSTOM WASHER	
1	1	45	646.3717	DOUBLER	
22	22	44	601.1948	SCREW	MS27039-1-19
2	2	43	601.1952	SCREW	MS27039-1-20
4	4	42	601.1956	SCREW	MS27039-1-21
2	2	41	601.2829	SCREW	MS2469455-7
2	2	40	601.2831	RIVET	MS20426A05-7
1	1	39	646.3716	GAUGE BRACKET	
6	6	38	601.1953	SCREW	MS27039-1-12
2	2	37	646.3715	STRUT DOUBLER	
	2	36	601.2824	BOLT	AN3-5A
36	36	35	601.2277	RIVET	COR2455-3-07
18	18	34	600.0795	NUT/PLATE	MS21047-3
3	3	33	601.2565	RIVET	MS20470AD5-7
1	1	32	646.3813	STRUT BRACKET	
4	4	31	601.2822	BOLT	AN3-3A
2	2	30	646.3812	GUSSET BRACKET	
8	8	29	601.2564	RIVET	MS20470AD5-6
1	1	28	646.3714	GUSSET	
	1	27	646.3610	FILLER	
1	1	26	601.2830	SCREW	MS2469455-5
2	2	25	601.2825	BOLT	AN3-6A
1	1	24	646.3811	RADIUS BLOCK	
1	1	23	646.3712	CLIP	
	1	22	646.3711	CLIP	
8	8	21	601.2832	RIVET	MS20470AD5-5-5
14	14	20	601.2020	RIVET	CR213-5-3
10	10	19	601.2823	BOLT	AN3-4A
	1	18	601.2827	BOLT	AN3-13A
	5	17	601.2912	SCREW	MS2469455-1
1	1	16	646.3713	GUSSET	
1	1	15	646.3210	SUPPORT	
1	1	14	646.3710	DOUBLER	
	1	13	646.3110	CHANNEL	
8	53	6	601.1624	LOCKNUT	MS21042L3
18	120	16	601.1607	WASHER	NAS114RFD322P
		10	646.3410	LH WIPER DEFLECTOR	
		9	646.3411	RH WIPER DEFLECTOR	
2	2	8	647.7703	STRUT ASSY	
2	2	7	647.0112	STRUT BRACKET	
1	1	6	646.3511	STRUT	
1	1	5	646.3510	STRUT	
2	2	4	646.3810	BRACKET	
1	1	3	646.2910	DEFLECTOR	
1	1	2	646.3001	LOWER CUTTER ASSY	
1	1	1	646.3301	UPPER CUTTER ASSY	
X			646.4004	FIXED PROVISIONS KIT	
	X		646.4003	CABLE CUTTERS KIT WITHOUT TIES	
		X	646.4002	AS350 VIPER DEFLECTOR KIT	
			646.4001	AS350 CABLE CUTTERS KIT	

QTY	UNIT	FIND #	PART #	DESCRIPTION	MATL	SPEC.
4004	.4003	.4002	.4001			

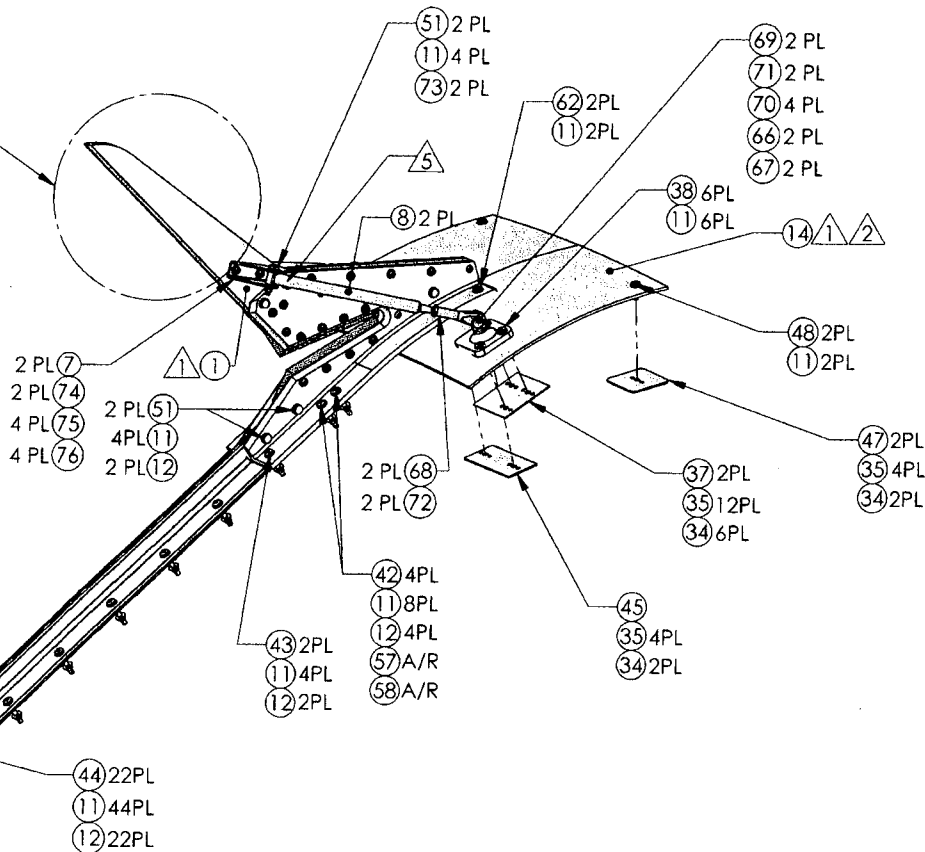
NEXT ASSY (S)		ORIGINAL DATE 08/27/08	DRAWN BY S. HUFF	CHECKED BY P. BRAVO
---------------	--	---------------------------	---------------------	------------------------

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DETAIL D
TYPICAL GPS MOUNT KIT INSTALLATION

DETAIL D

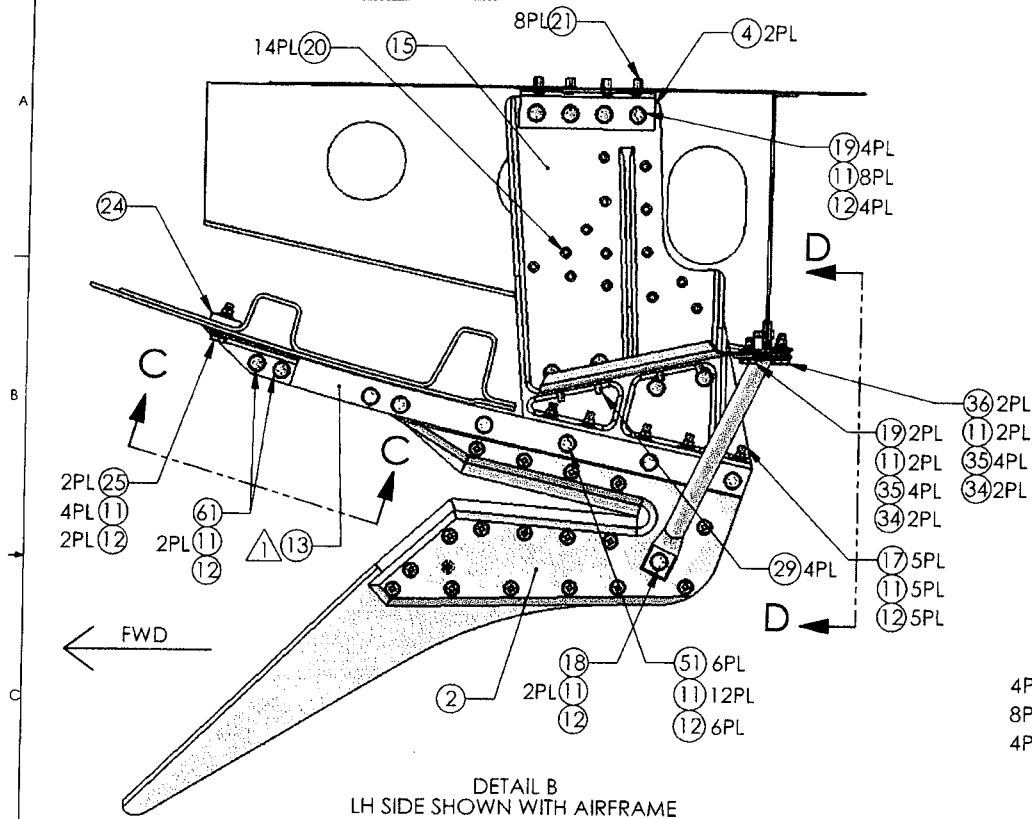


DETAIL A
SHOWN ISOMETRICALLY

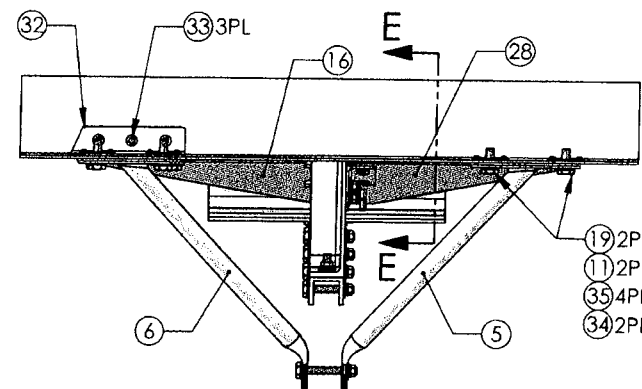
ORIGINAL DATE 10-27-08		APICAL INDUSTRIES	
DRAWN BY: J. HUFF		2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760)724-5300	
CHECKED BY: P. BRAYO		AS350 CABLE CUTTERS KIT	
DRAWING APPROVAL: P. BRAYO		REV. NO. 8	
CONTRACT NO.		646.4000	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ±.5°		SHEET 2 OF 4	SCALE: NONE

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF APICAL INDUSTRIES. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF APICAL INDUSTRIES IS PROHIBITED.

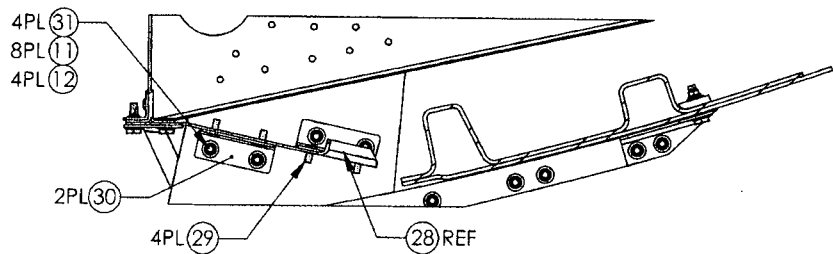
REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED



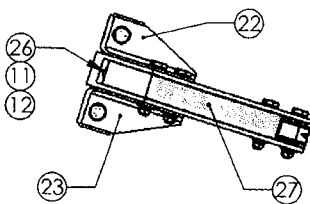
DETAIL B
LH SIDE SHOWN WITH AIRFRAME



SECTION D-D
CUTTER HIDDEN FOR CLARITY



SECTION E-E

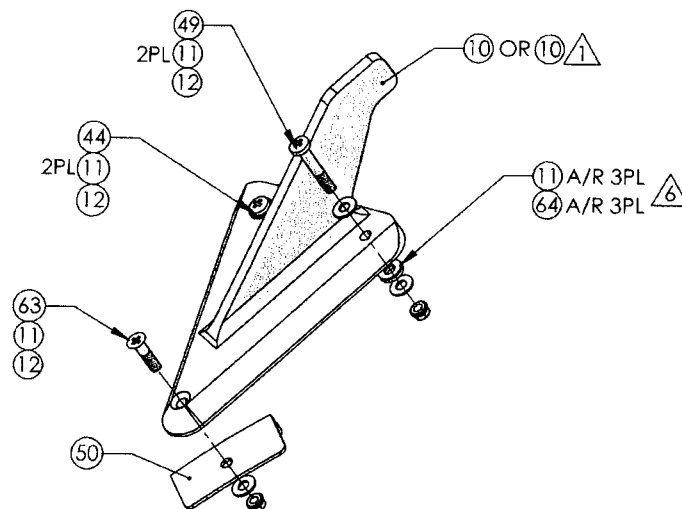


SECTION C-C

ORIGINAL DATE 10-20-08		APICAL INDUSTRIES	
DRAWN BY S. HUBB		2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760)724-5300	
CHECKED BY P. BRAYO		AS350 CABLE CUTTERS KIT	
DESIGNED BY P. BRAYO		SCALE NONE	
CONTRACT NO.		SHEET 3 OF 4	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ±.5°		REV B 07M26 646.4000	

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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED



DETAIL C
LH SHOWN EXPLODED
RH OPPOSITE

ORIGINAL DATE (MO-DA-YR) 08-27-08		APICAL INDUSTRIES	
DRAWN BY: S. HUP		2608 TEMPLE HEIGHTS DR.	
CHECKED BY: P. BRAVO		OCEANSIDE, CA. 92056-3512 (760)724-5300	
DRAWING APPROVAL P. BRAVO 08-27-08		AS350 CABLE CUTTERS KIT	
CONTRACT NO.			
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 1 PLACE DECIMALS ± 0.1 2 PLACE DECIMALS ± 0.05 ANGLES ± 3°		INTL CAGE CODE B 07M26	DWG. NO. 646.4000
		SCALE NONE	REV. 8
		SHEET 4 OF 4	

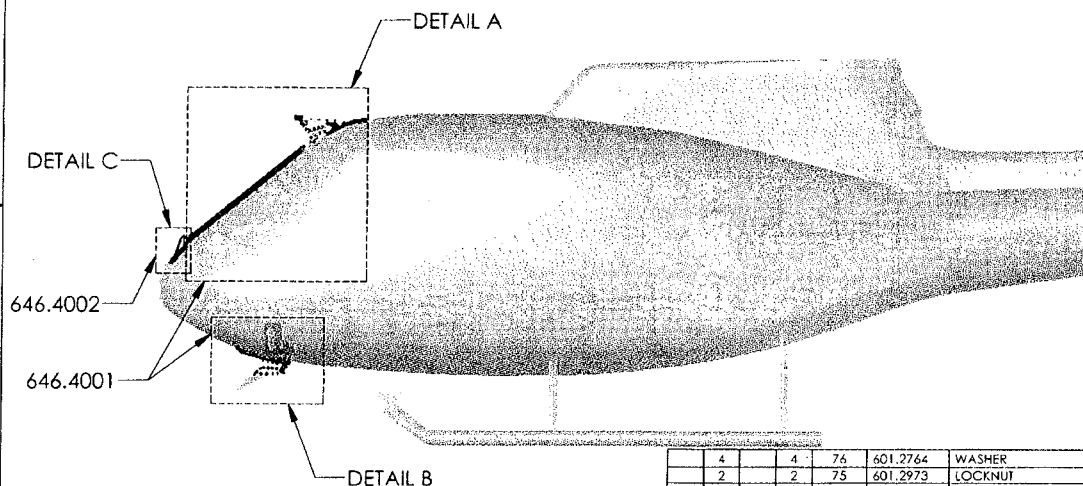
REFERENCE ONLY
MAR 12 2015

DAS
46
9-89

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NOTES:

- 1 AFTER INSTALLATION, APPLY F/N 54 A/R TO FILL GAPS AND FILLET EDGES
- 2 INSTALL F/N 14 WITH F/N 52 & 53
- 3 3M VHB ADHESIVE TAPE .025" THICK X .50" WIDE
VENDOR: MCMMASTER-CARR P/N 75935A651
- 4 3M TAPE PRIMER 94, APPLY TO BOTH SURFACES A/R BEFORE TAPE
VENDOR: R.S. HUGHES P/N 021200-24216
- 5 REUSE FASTENERS FROM F/N 1
- 6 USE WASHERS AS REQUIRED AS SHIMS TO OBTAIN BEST FITMENT
- 7 AT CUSTOMERS OPTION, INSTALL F/N 65 BY MATCH DRILLING ONTO F/N 1



REF	REF	REF	REF	QTY	PART #	DESCRIPTION	MATL	SPEC.
4	4	76	601.2764	WASHER	NAS1189FR32			
2	2	75	601.2973	LOCKNUT	MS21042-08			
2	2	74	601.2988	SCREW	MS27039-0813			
2	2	73	601.2943	LOCKNUT	MS21042-3			
2	2	72	601.3128	NUT	AN316C4R			
2	2	71	601.3209	LOCKNUT	MS21042-4			
4	4	70	601.2638	WASHER	NAS1189FR432			
2	2	69	601.2669	BOLT	AN4C7A			
2	2	68	601.3119	CLEVIS	AN565-34R			
2	2	67	601.3121	EYE BOLT	AN44-5A			
2	2	66	650.9201	EYE BRACKET ASSY				
2	2	65	647.5701	GPS MOUNT KIT				
6	6	64	601.3151	WASHER	NAS1189FR36P			
2	2	63	601.2911	SCREW	MS24694553			
2	2	62	601.2637	SCREW	MS27039-1-16			
2	2	61	601.2763	BOLT	AN3-12A			
1	1	60	646.3913	SHIM				
4	4	59	646.3912	SHIM				
1	1	58	646.3911	SHIM				
4	4	57	646.3910	SHIM				
5	5	56	600.0113	PRIMER				

REV.	DESCRIPTION	DATE	APPROVED
A	INCORPORATED FCN 02109, 02111, 02119 & 02161	02/08/2019	P. BRAVO
B	INCORPORATED FCN 02044, 02079 & 04731	11/04/2014	P. BRAVO

8 FT	8 FT	55	600.0129	VHB TAPE	
1	1	54	600.1012	SEALANT	PR-1425 CLAS 8
1	1	53	600.0991	MAGNABOND 6398 PART B	
1	1	52	600.0990	MAGNABOND 6398 PART A	
10	10	51	601.2826	BOLT	AN3-11A
2	2	50	646.3814	WIPER BRACKET	
2	2	49	601.2910	SCREW	MS27039-1-18
2	2	48	601.1365	SCREW	MS27039-1-10
2	2	47	646.3719	DOUBLER	
2	2	46	646.3718	CUSTOM WASHER	
1	1	45	646.3717	DOUBLER	
22	22	44	601.1948	SCREW	MS27039-1-19
2	2	43	601.1952	SCREW	MS27039-1-20
4	4	42	601.1956	SCREW	MS27039-1-21
2	2	41	601.2829	SCREW	MS24694554
2	2	40	601.2831	RIVET	MS20426ADS-7
1	1	39	646.3715	GAUGE BRACKET	
6	6	38	601.1953	SCREW	MS27039-1-12
2	2	37	646.3715	STRUT DOUBLER	
2	2	36	601.2824	BOLT	AN3-5A
36	36	35	601.2277	RIVET	CC26455-3-01
18	18	34	600.0795	NUTPLATE	MS21047-3
3	3	33	601.2565	RIVET	MS20470ADS-7
1	1	32	646.3813	STRUT BRACKET	
4	4	31	601.2822	BOLT	AN3-3A
2	2	30	646.3812	GUSSET BRACKET	
8	8	29	601.2564	RIVET	MS20470ADS-6
1	1	28	646.3714	GUSSET	
1	1	27	646.3610	FILLER	
1	1	26	601.2830	SCREW	MS24694555
2	2	25	601.2825	BOLT	AN3-6A
1	1	24	646.3811	RADIUS BLOCK	
1	1	23	646.3712	CLIP	
1	1	22	646.3711	CLIP	
8	8	21	601.2832	RIVET	MS20470ADS-5.5
14	14	20	601.2020	RIVET	CR3213-5-3
10	10	19	601.2823	BOLT	AN3-4A
1	1	18	601.2827	BOLT	AN3-13A
5	5	17	601.2912	SCREW	MS24694551
1	1	16	646.3713	GUSSET	
1	1	15	646.3210	SUPPORT	
1	1	14	646.3710	DOUBLER	
1	1	13	646.3110	CHANNEL	
8	8	12	601.1624	LOCKNUT	MS21042-5
18	18	11	601.1607	WASHER	NAS1189FR32P
1	1	10	646.3410	LH WIPER DEFLECTOR	
1	1	9	646.3411	RH WIPER DEFLECTOR	
2	2	8	647.7703	STRUT ASSY	
2	2	7	647.0112	STRUT BRACKET	
1	1	6	646.3511	STRUT	
1	1	5	646.3510	STRUT	
2	2	4	646.3810	BRACKET	
1	1	3	646.2910	DEFLECTOR	
1	1	2	646.3001	LOWER CUTTER ASSY	
1	1	1	646.3301	UPPER CUTTER ASSY	
X	X		646.4004	FIXED PROVISIONS KIT	
X	X		646.4003	EARLY CUTTERS KIT WITHOUT FITTED PROVISIONS	
X	X		646.4002	AS350 WIPER DEFLECTOR KIT	
X	X		646.4001	AS350 CABLE CUTTERS KIT	

NEXT ASSY (S)		ORIGINAL DATE 08/24/18	08/27/18
		DRAWN BY J. HUFF	CHECKED P. BRAVO
		DESIGNED BY P. BRAVO	APPROVAL P. BRAVO
		DATE 08/27/18	CONTRACT NO.
		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 1 PLACE DECIMALS ± .01 2 PLACE DECIMALS ± .005 ANGLES ± .1°	
APICAL INDUSTRIES 2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA 92056-3512 (760)724-5300		AS350 CABLE CUTTERS KIT	
REV. B	DATE CODE 07/26/16	DWG. NO. 646.4000	REV. B
SCALE NONE		SHEET 1 OF 4	

Work Order ID 128203

Tuesday, January 13, 2015 9:05:10 AM

128203

Page 1

Item ID: 646.4001 Accept ***N900040100*** Setup Start ***NS1***
Revision ID: Stop ***NS2***
Item Name: AS350 Cable Cutters
Start Date: 1/13/2015 Start Qty: 1.00 ***1*** Cust Item ID:
Required Date: 1/13/2015 Req'd Qty: 1.00 ***1*** Customer:
Reference:

Approvals: Process Plan: MCS Date: 15-01-13 Tooling: Date: Run Start ***NR1***
QC: Date: SPC (Y/N): Date: Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr								
646.4000	B								
100	Document Control	0.00							
100	DOCUMENT CONTROL								
DC	Memo	0.00							
Doc.Control -USB or Paperwork	Photocopy bluefile & type labels per PPP 646.4001								
110	Pick Kit	0.00							
110									
Packaging	Memo	0.00							
Packaging									
120	QC4- 100% Inspect kits for completeness	0.00							
120									
QC	Memo	0.00							
Quality Control									

CL 15/02/13